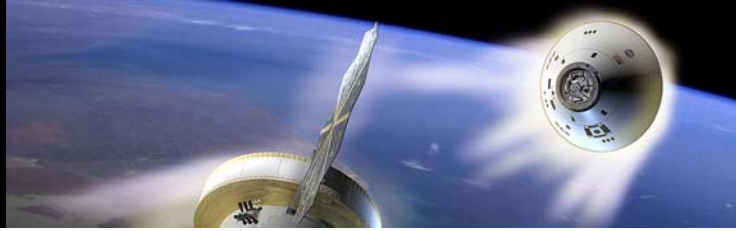


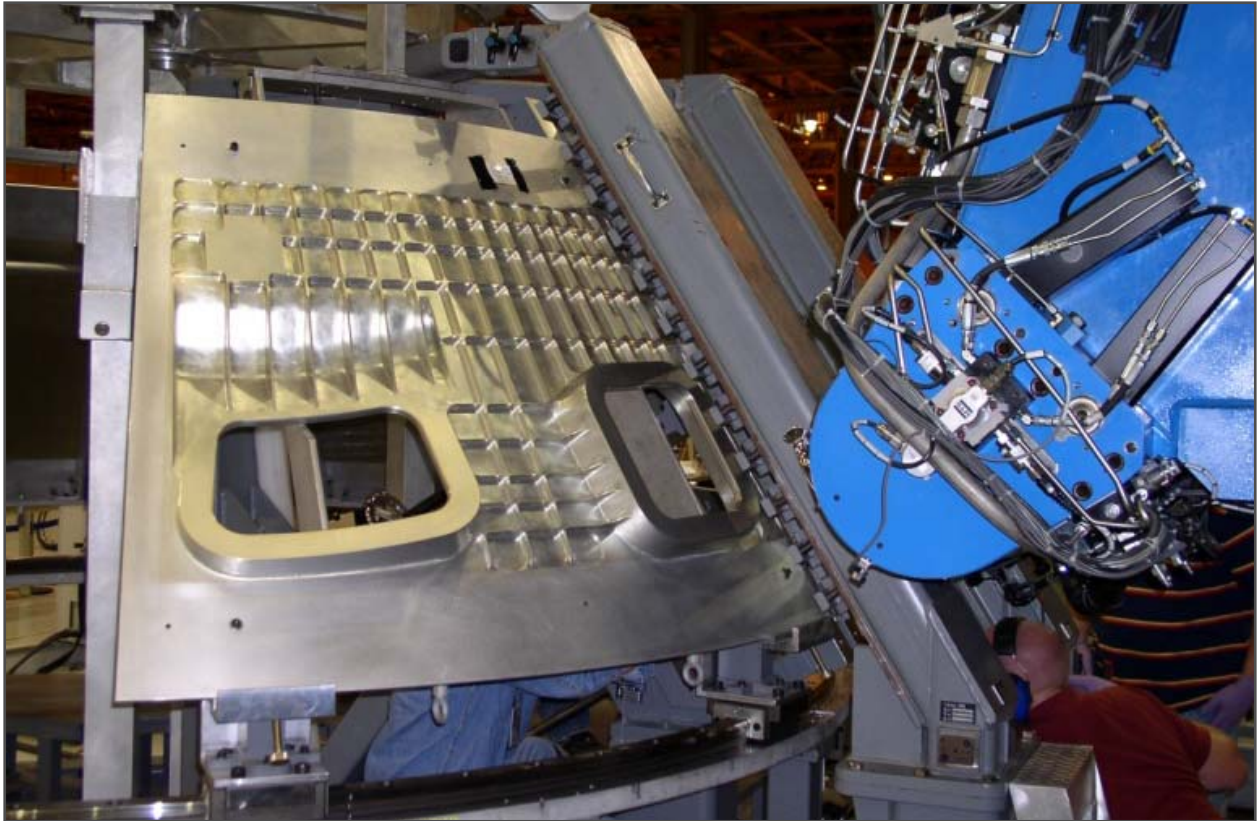
# ORION


CREW EXPLORATION VEHICLE

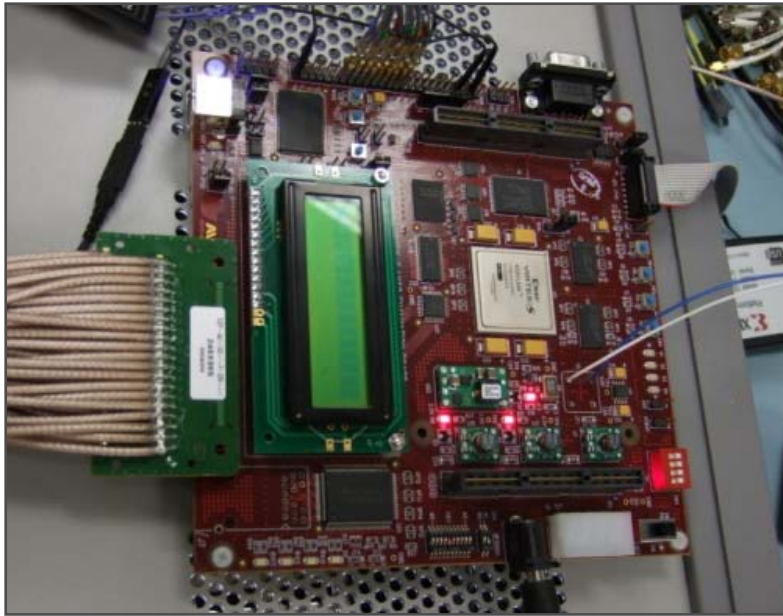
WEEKLY ACCOMPLISHMENTS



10.2.09



 **The Orion Ground Test Article (GTA) production continues at the Michoud Assembly Facility in New Orleans, Louisiana.** Shown above and left is the cone window panel that passed a recent fit check and is ready for welding.



**Development-level performance tests of the Lockheed Martin (LM) Baseband Processor (BP) prototype were performed in the Electronic Systems Test Laboratory (ESTL) at JSC.** These tests resulted in identifying and correcting a number of baseband processor issues which were not known prior to the test. The results of the test program will be used to refine the LM implementation of the baseband processor design. One of the key components of the Baseband Processor prototype is the LDPC Decoder Board (shown left.)



**The cursor control device and keypad in-house prototypes are currently undergoing gloved crew evaluation in the Reconfigurable Operational Cockpit (ROC).** The testing facilitated by human engineering, will down select between two CCD ergonomic shapes and will evaluate the layout of the keypad keys.



**The Crew Module Subsystem Mockup (shown left) was transferred from building 9 at Johnson Space Center to the Kennedy Space Center Multi-Payload Processing Facility (MPPF) in support of ground operation servicing process evaluation activities.**

#### **Communications & Public engagement**

**Engel Entertainment made a visit to Houston recently to film a short documentary featuring Orion engineers as part of Science, Technology, Engineering and Math (STEM) team of adults and teens, who are working on an innovative project.** The goal is to

inspire youth, pre-teens and teens to consider careers in STEM. The video will be distributed to students at approximately 15,000 schools across the country through the National School Board Association and Project Lead the Way Classrooms.

**The Bay Area Houston Economic Partnership Young Professionals Group hosted a Space Tweetup on October 5, 2009.** The group has already helped to generate 700+ letters supporting space exploration that have been sent to Congressional representatives via their *Go Boldly* web site. Engineers and other professionals from Lockheed Martin and other area businesses and organizations put in their personal time to initiate this grassroots campaign. For more information go to: <http://www.goboldlynasa.org>

